

IN THE CLAIMS:

Claims 11 - 19 have been added.

1. (previously presented) A sound radiating structure, comprising:

a plurality of cavity-defining members, each of said cavity-defining members being of a hollow shape to define an inner cavity that extends in a particular direction, the inner cavity defined by each of said cavity-defining members having a length in the particular direction different from lengths of inner cavities defined by other said cavity-defining members,

the inner cavities defined by said cavity-defining members being located adjacent to each other such that the cavity-defining members are disposed so as to adjoin each other perpendicularly to the particular direction in which the inner cavities defined thereby extend, each of said cavity-defining members includes an open end and a closed end such that the open end and the closed end of each of said adjacent cavity-defined members are staggered, and each of said cavity-defining members includes a side portion extending along the particular direction, and the side portion includes a side opening formed therein at a position of three-quarters of the length from the open end and communicating with the inner cavity defined by each of said cavity-defining members,

wherein when a sound wave is input to said sound radiating structure, each of said cavity-defining members re-radiates the sound wave by resonance.

Claim 2 (cancelled).

3. (previously presented) A sound radiating structure as claimed in claim 1, further including a support panel on which said plurality of cavity-defining members are

supported.

Claim 4 (cancelled).

5. (previously presented) A sound radiating structure as claimed in claim 1, wherein each of said cavity-defining members includes a detachable closure provided at the closed end to close the inner cavity.

6. (previously presented) A sound radiating structure as claimed in claim 1, wherein each of said cavity-defining members is constructed in such a manner that the inner cavity defined thereby is adjustable in the length in the particular direction.

Claim 7 (cancelled).

8. (previously presented) A sound radiating structure as claimed in claim 1, wherein the side portion of each of said cavity-defining members has a flat outer surface, and said plurality of cavity-defining members are disposed in such a manner that flat outer surfaces of side portions in said plurality of cavity-defining members together constitute a single substantially-continuous flat outer surface of said sound radiating structure.

9. (previously presented) An acoustic room, comprising:
a sound radiating structure having
a plurality of cavity-defining members, each of said cavity-defining members being of a hollow shape to define an inner cavity that extends in a particular direction, the inner cavity defined by each of said cavity-defining members having a length in the particular direction different from lengths of inner cavities defined by other said cavity-defining members,
the inner cavities defined by said cavity-defining members being located

adjacent to each other such that the cavity-defining members are disposed so as to adjoin each other perpendicularly to the particular direction in which the inner cavities defined thereby extend, each of said cavity-defining members includes an open end and a closed end such that the open end and the closed end of each of said adjacent cavity-defined members are staggered, and each of said cavity-defining members includes a side portion extending along the particular direction, and the side portion includes a side opening formed therein at a position of three-quarters of the length from the open end and communicating with the inner cavity defined by each of said cavity-defining member,

wherein when a sound wave is input to said sound radiating structure, each of said cavity-defining members re-radiates the sound wave by resonance; and

an inner wall surface or ceiling surface for installation thereon of said sound radiating structure.

Claim 10 (cancelled)

11. (new) A sound radiating structure comprising:

a plurality of cavity-defining members, each of said cavity-defining members being of a hollow shape to define an inner cavity that extends in a particular direction, the inner cavity defined by each of said cavity-defining members having a length in the particular direction different from lengths of the inner cavities defined by other said cavity-defining members, the inner cavity defined by each of said cavity-defining members having an opening formed at one of opposite ends of said cavity-defining member;

the inner cavities defined by said cavity-defining members being located in such

a manner that the inner cavities extend substantially in a same direction and that the end at which said opening is formed is on the opposite end to each other between adjacent ones of the cavity defining members;

wherein when a sound wave is input to said sound radiating structure, each of said cavity-defining members re-radiates the sound wave by resonance.

12. (new) A sound radiating structure as claimed in claim 11, wherein said plurality of cavity-defining members are disposed so as to adjoin each other perpendicularly to the particular direction in which the inner cavities defined thereby extend.

13. (new) A sound radiating structure as claimed in claim 11, which further comprises a support panel on which said plurality of cavity-defining members are supported.

14. (new) A sound radiating structure as claimed in claim 11, wherein the inner cavity defined by each of said cavity-defining members opens outwardly at one of the opposite ends of said cavity-defining members and is closed at another of opposite ends.

15. (new) A sound radiating structure as claimed in claim 11, wherein the inner cavity defined by each of said cavity-defining members opens outwardly at the opposite ends of said cavity-defining member, and each of said cavity-defining members includes a detachable closure provided at least one of the opposite ends for closing the inner cavity at the at least one end.

16. (new) A sound radiating structure as claimed is in claim 11, wherein each of said cavity-defining members is constructed in such a manner that the inner cavity

defined thereby is adjustable in the length in the particular direction.

17. (new) A sound radiating structure as claimed in claim 11, wherein each of said cavity-defining members has a side portion extending along the particular direction, and the side portion has a side opening formed therein and communicating with the inner cavity defined by said cavity-defining member.

18. (new) A sound radiating structure as claimed in claim 17, wherein the side portion of each of said cavity-defining members has a flat outer surface, and said plurality of cavity-defining members are disposed in such a manner that the flat outer surfaces of the side portions in said plurality of cavity-defining members together constitute a single substantially-continuous flat outer surface of said sound radiating structure.

19. (new) An acoustic room comprising:

a sound radiating structure having

a plurality of cavity-defining members, each of said cavity-defining members being of a hollow shape to define an inner cavity that extends in a particular direction, the inner cavity defined by each of said cavity-defining members having a length in the particular direction different from lengths of the inner cavities defined by other said cavity-defining members, the inner cavity defined by each of said cavity-defining members having an opening formed at one of opposite ends of said cavity-defining member;

the inner cavities defined by said cavity-defining members being located in such a manner that the inner cavities extend substantially in a same direction and that the end at which said opening is formed is on the opposite end to each other between

adjacent ones of the cavity defining members;

wherein when a sound wave is input to said sound radiating structure, each of said cavity-defining members re-radiates the sound wave by resonance; and

an inner wall surface or ceiling surface for installation thereon of said sound radiating structure.